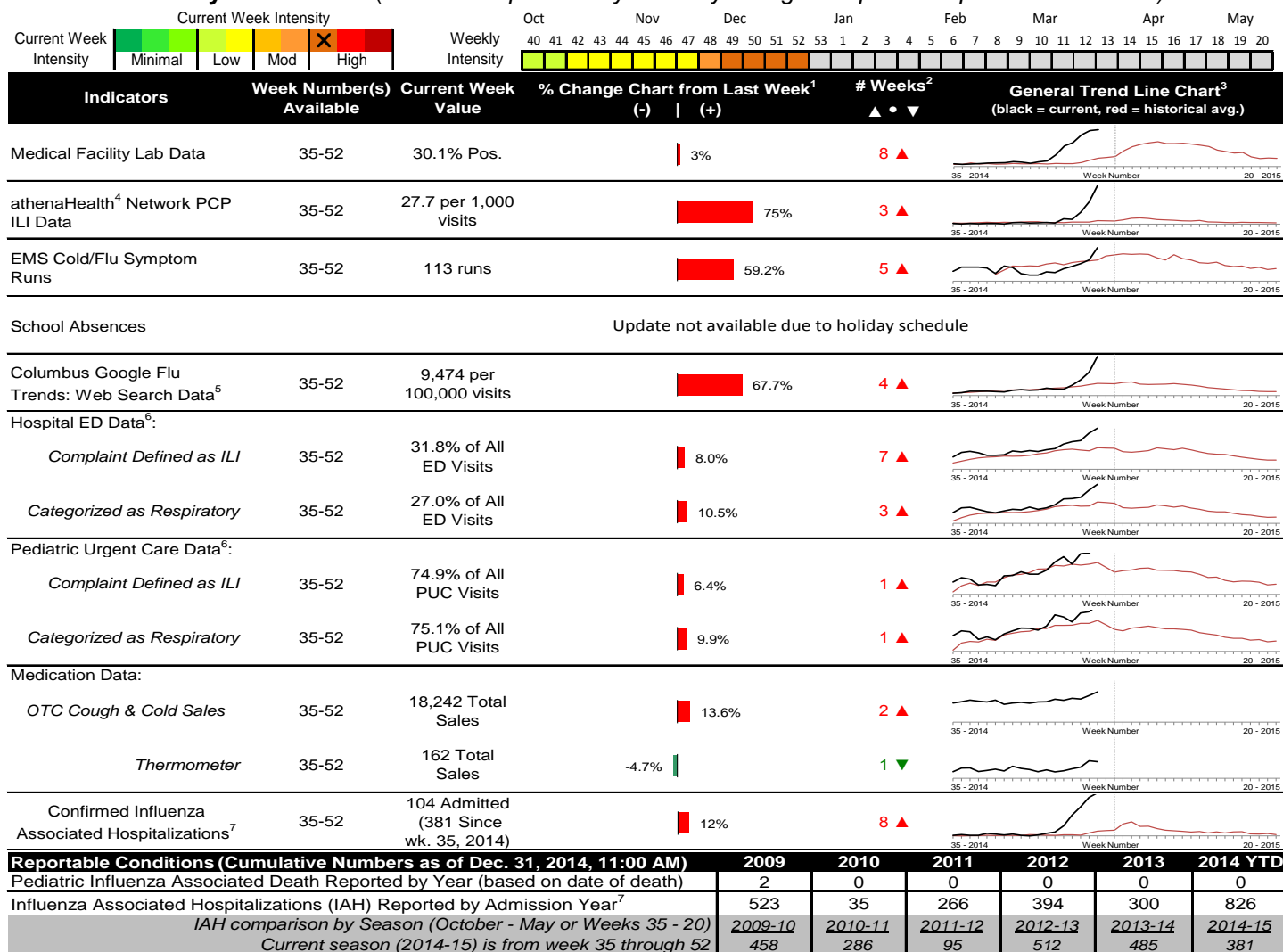


2014-2015 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 52, Dec. 21st – Dec. 27th, 2014)

Highlights

- In week 52 of 2014, local indicators of influenza activity continued to increase. Increases continue to occur in positive labs, primary care provider visits for ILI, ED and Pediatric Urgent Care center visits for ILI and Respiratory symptoms, and influenza associated hospitalizations. The vast majority of indicators are far above their baseline values for the week and season.
- Geographic activity and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, HIGH
- Local medical facility labs reported 3,380 tests run with 1,018 (30.1%) positive results for week 52 of 2014.
- The percentage of ED visits for influenza-like-illness (ILI) and respiratory symptoms continued to increase in week 52 and both are substantially higher than their respective baseline averages for the past few weeks.
- In week 52 of 2014, the majority of local over-the-counter medication sales increased (increase in cough and cold, electrolyte, chest rubs, adult anti-fever, and pediatric anti-fever sales; decrease in thermometer and throat lozenge sales) compared to last week.
- Updated week 52 U.S. influenza activity information was not available at the time of this report. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: athenaHealth, Inc. and their analytics and research team athenaResearch (www.athenahealth.com). Rate of ILI visits to Franklin County, OH, athenaHealth network's primary care practices/physicians using claims data.

⁵Data Source: Google Flu Trends (www.google.org/flutrends), City = Columbus, OH. See website for additional details.

⁶Franklin County, OH residents only (based on zipcode).

⁷Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 52 of 2014, 10.6% of all Columbus deaths were attributed to pneumonia and influenza (Figure 1). Updated week 52 U.S. pneumonia and influenza mortality data was not available at the time of this report.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 52, the preliminary local influenza-like-illness (ILI) visit rate (27.7 per 1,000 visits) to athenaHealth providers was higher than the previous week and is substantially higher than the baseline average for the past several weeks (Figure 1). The week 52 percentage of Emergency Department (ED) visits for ILI symptoms increased compared to the previous week (Figure 3) and is substantially higher than the historic baseline for the past several weeks. Pediatric urgent care visits for ILI symptoms also increased compared to the previous week and is substantially higher than the historic baseline for the week.

Updated week 52 U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) data was not available at the time of this report.

Laboratory Surveillance

During week 52 of 2014, reporting Franklin County sentinel medical facility laboratories tested 3,380 specimens, with 1,018 (30.1%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2012 through week 52 of 2014 is 18,374 with 3,160 (17.2%) positives (3,041 type A, 107 type B, 9 both A and B, 3 type unknown).

Updated week 52 U.S. WHO and NREVSS laboratory influenza specimen testing data was not available at the time of this report (visit the CDC website for more info). The last 3 weeks available national breakdown by type and subtype from the CDC is shown in Table 1 below:

Table 1: U.S. Virologic Surveillance (WHO and NREVSS participating labs as of 12/26/2014)

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (H3N2v)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
49	4483 (95.1%)	0 (0%)	10 (0.2%)	2092 (46.7%)	0 (0%)	0 (0%)	2381 (53.1%)	232 (4.9%)	20956	22.49
50	6567 (96.3%)	0 (0%)	8 (0.1%)	2811 (42.8%)	0 (0%)	0 (0%)	3748 (57.1%)	249 (3.7%)	25159	27.09
51	5987 (97.3%)	0 (0%)	1 (0%)	2022 (33.8%)	0 (0%)	0 (0%)	3964 (66.2%)	165 (2.7%)	21858	28.14

ODH lab reported results for Ohio cases that are PCR positive for seasonal influenza Positive results: (1) A/PdH1N1; (429) A/H3N2; (4) Influenza B (through 12/27/14).

ED and Pediatric Urgent Care Respiratory Visits

In the 52nd week of 2014, the percentage of all ED visits categorized as *respiratory* increased compared to the percentage seen the previous week and is substantially higher than its historic baseline for the past few weeks (Figure 5). Pediatric urgent care visits for respiratory symptoms also increased compared to the previous week and is substantially higher than its historic baseline for the week.

Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 52 of 2014, the majority of local over-the-counter medication sales increased (increase in cough and cold, electrolyte, chest rubs, adult anti-fever, and pediatric anti-fever sales; decrease in thermometer and throat lozenge sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

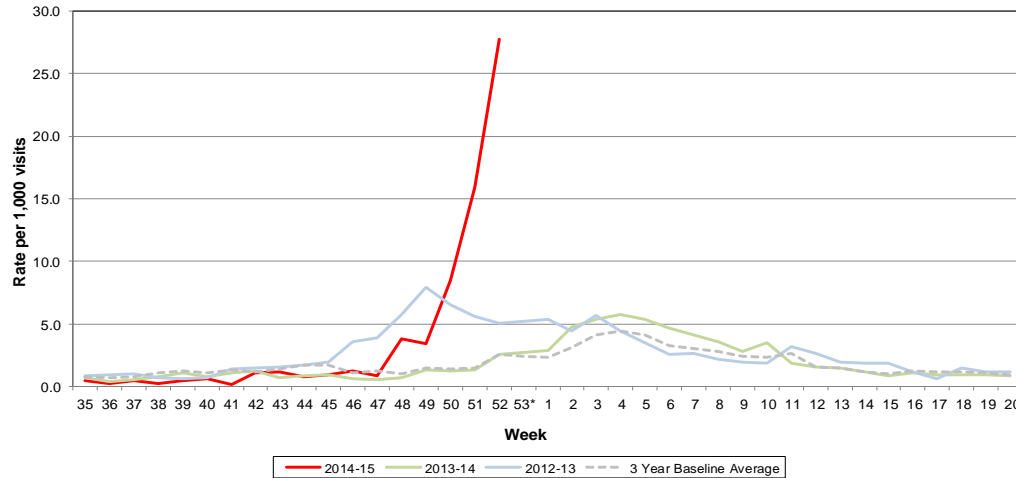
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

Columbus & Franklin County Influenza Monitoring Summary – Week 52, 2014 (12/21/2014-12/27/2014)

Figure 1: athenahealth Network Primary Care Physician Influenza-Like-Illness Visit Rate*, Franklin County, OH



*Source: Claims data from athenahealth, Inc. and their analytics and research team, athenaResearch (www.athenahealth.com/blog/category/analytics-research)
 Note: athenaHealth claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Local and National ILI Outpatient CDC Sentinel Health Care Provider Site visits, 2014-15

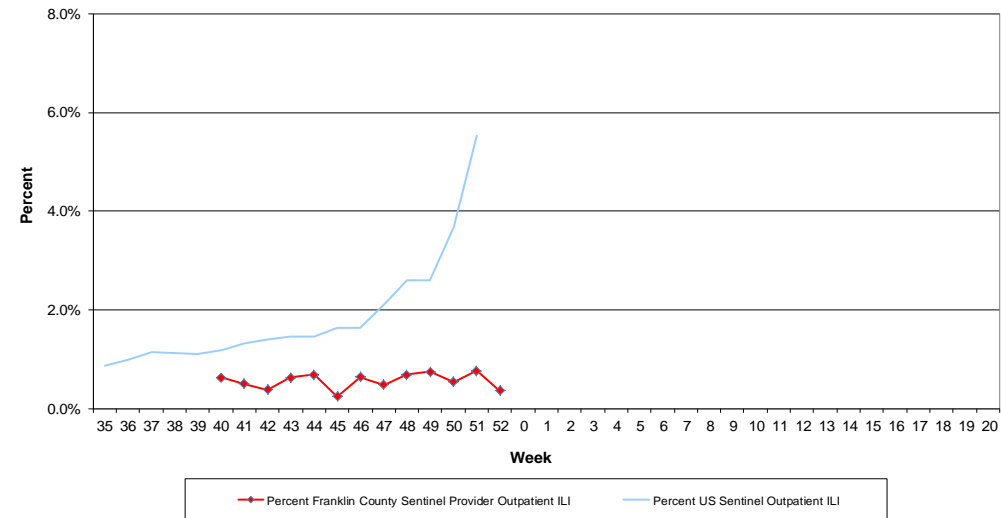
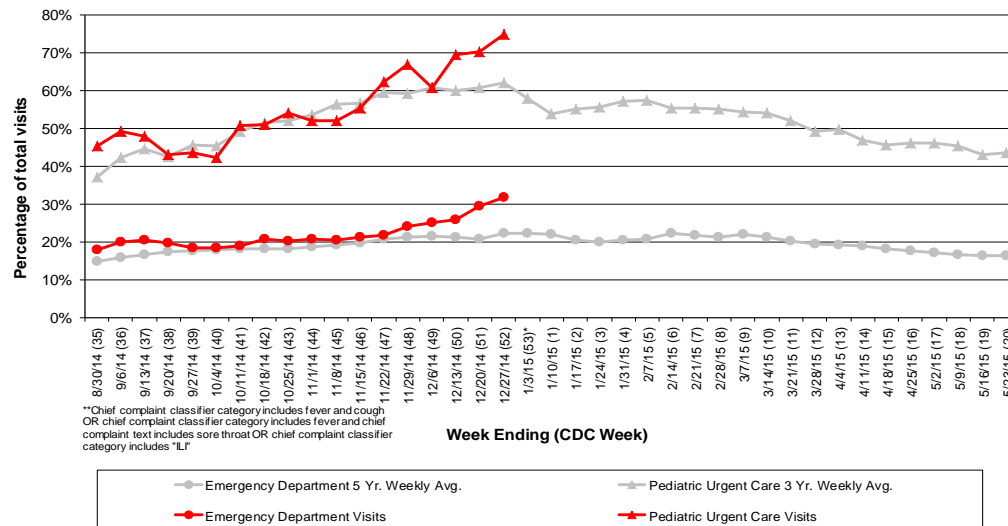
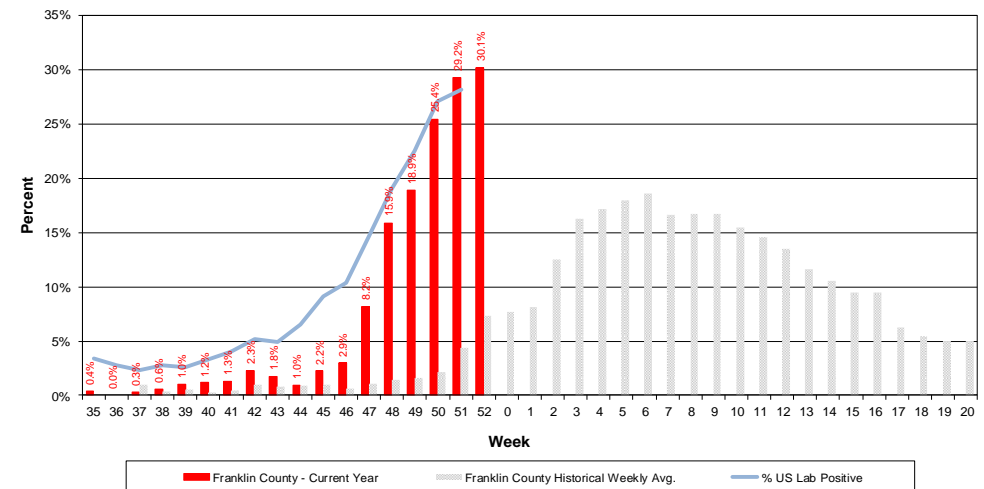


Figure 3: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH**



**Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "ILI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2014-15



*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.

Columbus & Franklin County Influenza Monitoring Summary – Week 52, 2014 (12/21/2014-12/27/2014)

Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH

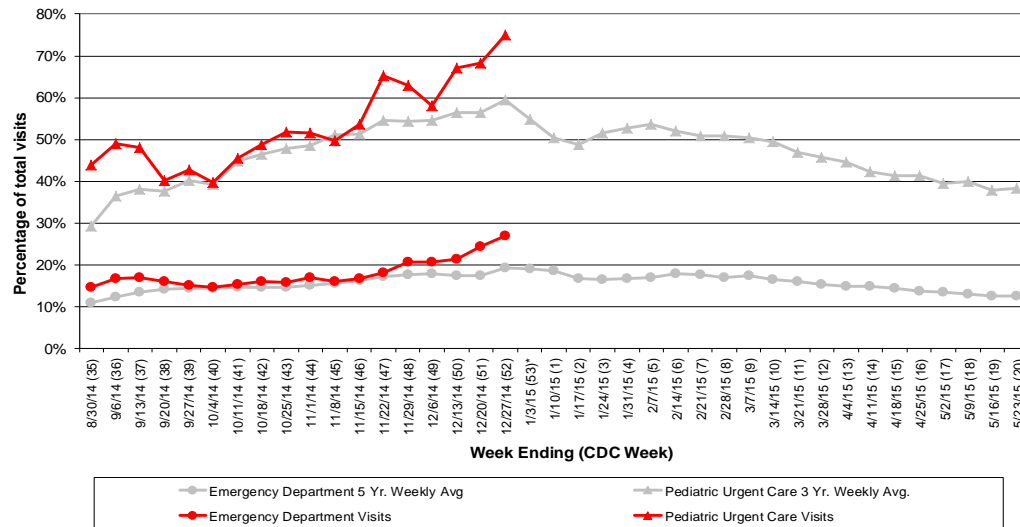


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2014-15, Franklin County, OH

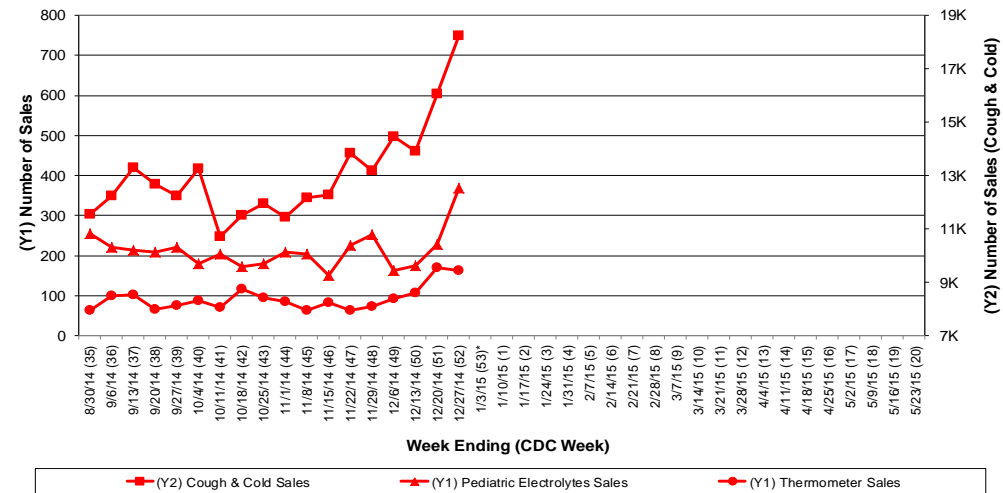
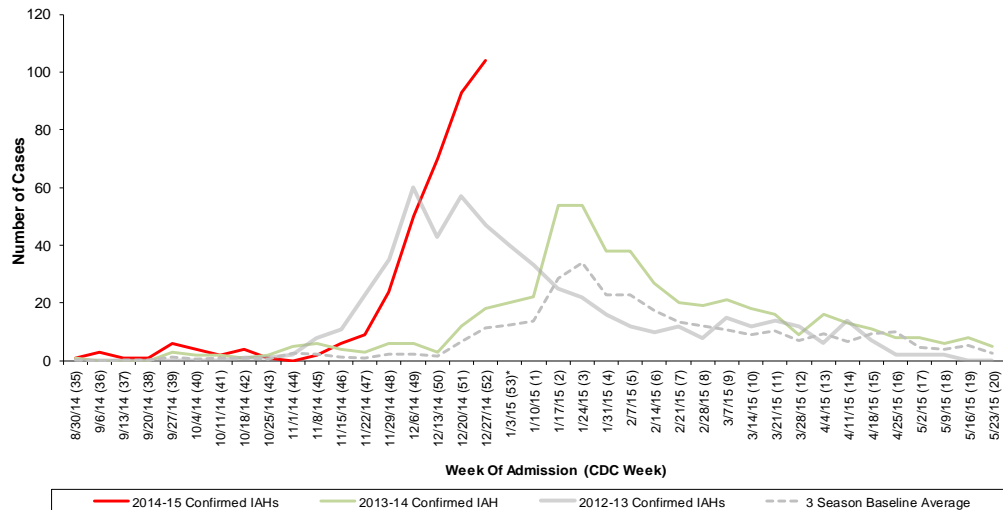
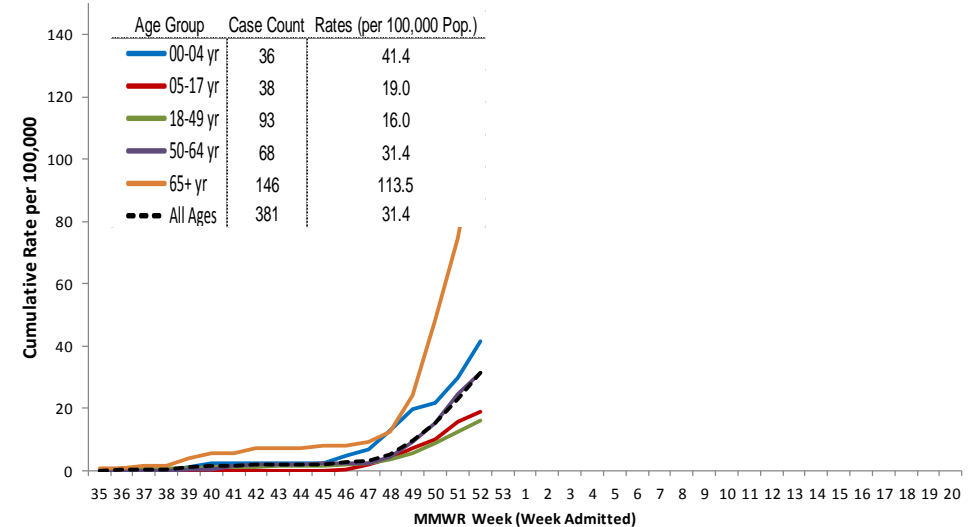


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 11:00 AM, 12/31/2014)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2014-2015 Season



*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.